

12 April 1962

MEMORANDUM FOR THE RECORD

SUBJECT: Additions to the RID/DDP 1401/1410 Systems

1. The 1401 system presently installed has a core memory capacity of 8,000 positions. Since this system is planned to be the "Input Editor" to the Main Index it has been found that this amount of core storage is not sufficient. The present edit now being accomplished on this system is limited by core capacity. With the present 8K storage, it will not be possible to insert the necessary program steps to process index tapes punched in the "ALL" position on the Flexowriter nor the steps necessary to use the card with the prepunched record number. The complete edit program, which will also select and insert the searchable record from the present record plus the necessary coding for printing, will require the full complement of 16K storage.

2. The present 1410 system was ordered and installed without a printer on the basis that the printer on the 1401 system would handle our printing requirements for the foreseeable future. Three factors have proven that this was a miscalculation:

a. The listing of IBM cards for the forced conversion of the 3x5 cards of the present manual index will require a large amount of printing time that was not foreseen.

b. The printer has not been available for use during the straight processing operations on the 1401. While the printer is not being used on an overtime basis, the main frame is averaging over 100 hours of overtime use per month.

c. The debugging procedures on the 1410 have been greatly complicated by not having an on-line printer. An extra tape drive has been used to record the program and then shifted to the 1401 for printing. With the amount of debugging expected in the future, this will become an increasing difficulty.

3. We have always intended that both the Files Section of RID, as well as the Abstract Unit of the ADP Branch, would have direct access to the [REDACTED] System. In the old buildings only the Abstract Unit had an inquiry station on the 650, distance and cable costs obviating an inquiry station in the Files Section. We have already ordered one Remote Inquiry

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unit for the 1410, and now find, with the move, that installation of a second unit in the Files Section is feasible since only two pairs of telephone wires are required for each remote station. (Note: Telephone line costs for these installations have not been determined. This will be done as soon as we obtain complete installation details from IBM.)

4. It is recommended that the following be accomplished:

a. Request additional 8K storage to be installed on the 1401 as soon as possible at a cost of \$1,025.00 per month.

b. A 1403 printer be ordered for the 1410 system, with installation as soon after 1 July 1962 as possible. This will cost \$775.00/month for the printer and \$610.00/month for the necessary adapters. (This printer will probably be replaced by a 1404 printer when it is available for this system.)

c. A second Remote Inquiry unit be ordered for the 1410, with installation as soon as possible after 1 July 1962. The cost will be \$200.00 monthly, plus telephone line costs.

5. The above costs are all in line with and represented in present and future budget estimates.

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cc - CIA/ADPS/DDS  
RID/BF  
RID/ADPB  
RID/LOG